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## Patent Abstracts of Japan

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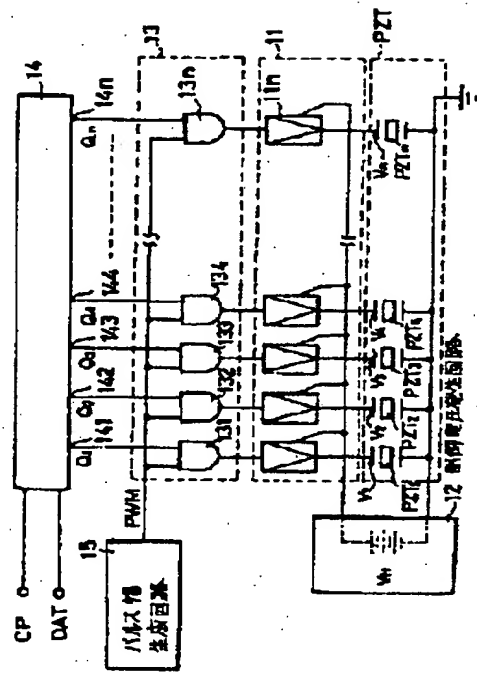
APPLICATION DATE : 16-04-91  
APPLICATION NUMBER : 03084048

APPLICANT : SHARP CORP;

INVENTOR : ISHII HIROSHI;

INT.CL. : B41J 2/045 B41J 2/055

TITLE : DRIVE CIRCUIT OF INK JET  
MULTINOZZLE HEAD



ABSTRACT : PURPOSE: To provide an ink jet multinozzle head which can be miniaturized because of a simple circuit and is of a low cost.

CONSTITUTION: The title drive circuit of an ink jet multinozzle head is equipped with a shift register 14 which outputs pulse signals  $Q_1$ - $Q_n$  generated by synchronizing a data with a specific clock signal CP, a plurality of data circuits 131-13n which modulate pulse widths of pulse signals  $Q_1$ - $Q_n$  outputted from output terminals 141-14n of the shift register 14 based on a common pulse signal PWM outputted from a pulse width generating circuit 15, and a plurality of high pressure proof amplifiers 111-11n which impress voltage to a plurality of piezoelectric elements  $PZT_1$ - $PZT_n$  based on the pulse signal PWM modulated with a plurality of data circuit 131-13n.

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